	Clie !!
Sarlat	CRF errors Corrected by the STIC Systems Branch. CRF Processing Date: 4/15/2033 Changed a file from non-ASCII to ASCII CRF Processing Date: 4/15/2033 Changed a file from non-ASCII to ASCII CRF Processing Date: 4/15/2033 CRF Processing Date: 4/15/2033
	Changed the margins in cases where the sequence text was "wrapped" down to the next line.
	Edited a format error in the Current Application Data section, specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data".
	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited included:
	Deleted extra, invalid, headings used by an applicant, specifically:
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as
	Inserted mandatory headings, specifically:
	Corrected an obvious error in the response, specifically:
	Edited identifiers where upper case is used but lower case is required, or vice versa.
	Corrected an error in the Number of Sequences field, specifically:
	A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
	Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected:
	The above corrections must be communicated to the applicant in the first Office
• • • • • • • • • • • • • • • • • • • •	The above corrections must be communicated to the applicant in the first Office of the policy of the communicated to the applicant in the first Office of the communicated to the applicant in the first Office.



-IATE: 04/15/2003

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FATENT AFFILMATION: US/10/017,672B
                                                            TIME: 10:43:63
                    Imput Net : A:\PTO.AMC.txt
                    Output Fer: N:\CRF4\04152003\J017672B.raw
      3 ×110 - AHTLICANT: Nichikawa, Kiyotaka
             Lai, Hung-sen
             Sengyang, Zhou
             Yaffe, Michael B.
     ٠,
             Cantley, Lewis C.
     9 < 1205 TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding
Compounds
     11 <130> FILE REFERENCE: C01123/70001 (URV)
     13 <140> CURRENT APPLICATION NUMBER: US 10/017,672B
     14 <141> CURRENT FILING DATE: 2001-12-14
     16 <150> PRIOR APPLICATION NUMBER: US 60/255,586
     17 <151> PRIOR FILING DATE: 2000-12-14
     19 <160> MUMBER OF SEQ ID NOS: 23
    21 <170> SOFTWARE: PatentIn version 3.1
     23 <210> SEQ ID NO: 1
     24 <211> LENGTH: 15
    25 <212> TYPE: PRT
    26 <213> ORGANISM: Artificial Sequence
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     32 <2215 MAME/KEY: MISC FEATURE
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     34 <223> OTHER INFORMATION: Maa = any amino acid except Trp, Cys or Tyr
     3€ <220 FEATURE:
     37 <221 - NAME/KEY: MISC FEATURE
     ele like Turke ine emani ne waa caang arin ciria ewege ing payo a ing
     47 4 766 . 8, 780868: 1
W--> 43 Met Ala Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Ala Lys Lys
    4 - 11 - 25g 16 181 .
    4 . 11 · LEDJUH: 4
     40 - DE TYPE: PRT
    Extended the OR WANTEM: Artificial Cooperate
    in the FEATURE:
    Free Correct THEE COST EMPLIES No Copyridate In English
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RAW SEQUENCE LISTING

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* Francis CHER COR PERCHANGE Has been like, lyour the
     65 2.30 - FEATURE:
     (7 - 202) \cdot LOCATION: (3) \dots (3)
     ve 21.5 CTHER ENFORMATION: Maa-
                                        1100 1 1001
         CLO - FEATURE:
     VI 2213 NAMEZKEY: M JET FEATURE
     V2 | (22) | LOCATION: (4)...(4)
     73 < 223 OTHER INFORMATION: Maa-
                                       Leu, Ile or Thr
     VA COVER FEATURE:
     76 1021 - NAME/FEY: MISC FEATURE
     77 \times 2221 LOCATION: (6) ...(6)
     78 -223: OTHER INFORMATION: Maa - Leu, Ile, Thr or Val
     80 <220 - FEATURE:
     31 3221 NAME/EFY: MISC FEATURE
     32 <222: LOCATION: (7)..(7)
     33 <223 - OTHER INFORMATION: Xaa = Leu, Thr or The
     35 <220: FEATURE:
     86 <2210 NAME, KEY: MISC FEATURE
     87 <222: LOCATION: (8)..(8)
     88 <223: OTHER INFORMATION: Xaa = Leu, Thr, lle or Gln
     30 <220: FEATURE:
     31 <221: NAME/HEY: MISC FEATURE
     92 < 222: LOCATION: (9)...(9)
     93 <223: OTHER INFORMATION: Naa = Leu, Thr, lie or Gln
     95 <400: SEQUENCE: 2
W--> 97 Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa
     98 1
     100 k210> SEQ ID NO: 3
     101 /211 - LENGTH: 9
     102 <212> TYPE: PRT
     103 <113> ORGANISM: Artificial Coquence
     105 <220> FEATURE:
     106 <223> OTHER INFORMATION: Synthetic Feptide
     109 -4009 SEQUENCE: 3
     II to the other than the The The The II e
     114 (4) 16 (4) (19) 11 (19): 4
     118 81 118 181 Th: *
     ii. Kuli Koomma aho
     II - K. IKK GE ANDM: Althrid III Gegen K
     11 * * . . · FRATURE:
     120 - 223 - OTHER INFORMATION: Synthetic beptilie
     1... ×47 × SE,CENCE: 4
     1.4 Type that the that Type that that the that
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TATE: 4 H V V C

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```
181 - 218 - CREANDOM: Artificial despense
193 - LLA - PEATTER:
184 * 2... * OTHER INFORMATION: Synthetic Peptide
136 < 4 00 + LEGRENCE: 5
Is 319 310 310 310 Tyr The The Tie Tie Ala Lys Lys Lys
1:4 1
142 - 210 - SEP 11 No: 6
143 <211 · LENGTH: 13
144 <212 - TYPE: 1 RT
145 MIBA ORRANIOM: Artificial Sequence
147 KALO - FEATURE:
148 : 2232 OTHER INFORMATION: Syntheti: Peptide
150 <400> SEQUENCE: 6
152 Lys Leu He Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
153 I
                                      10
156 k210/ SEQ ID NO:
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159 KR132 CRGANISM: Artificial Sequence
161 <220> FEATURE:
162 < 223 > CIBER INFORMATION: Synthetic Peptide
164 <400> SEQUENCE: 7
166 A.a Lys Lys Lys
167 1
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171 <211> LENGTH: 13
172 <212> TYPE: PRT
173 <213> CEGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223 CTHER INFORMATION: Synthesis Pertide
178 <400: SEQUENCE: 8
180 Glu Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
184 <210> SEQ ID NO: 9
185 <211> LENGTH: 9
180 - 211 - TYPE: BET
1-7 - 21 - - - BARRION: Artific (12. 12. 22. 22. 2
inkelien eerature:
I KORIJERO THER DIE MAZIO II: Jystia tie Egytik
1.4 Lyn 18 . 1.8 18 . He 18 . 18 . 18 . 18 .
194. 1
iak kalin ka<mark>eg</mark> in be: is
1 ** *111 - DENGTH: *
JOHNSON PRATTER:
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PATENT APPROVATION: US/10/017,672B

1 ATE: 4 *1E %. ****
1 IME: 1. :4 *:2 *

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. Hotel Tie 18 1 Tyr 188, 189 189 18:
     Time Live dry in No: 11
     .13 -411 - LENGTH: 16
     U14 21. ACTION ERT
     115 21 to Oksanism: Artificial dequence
     1110 - 22.00 FEATURE:
     Pir S22 > OTHER INFORMATION: Bynthetic lestide
     220 -400> BEQUENCE: 11
     922 Arr Cln The Lys The Trp The Gln Ash Arr Ard Met Lys Trp Lys Lys
                                       1.0
     226 32103 SEQ ID NO: 12
     227 k211% LENGTH: 25
     328 SEIRR TYPE: PRT
     229 :213: ORGANISM: Artificial Sequence
     231 KL20: FEATURE:
     232 <223 OTHER INFORMATION: Synthetic Peptide
     234 ×400> SEQUENCE: 12
     236 Arg Gln lle Lys lle Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
     237 1
                                              10
     239 Lys Leu Ile Leu Phe Leu Leu Leu
     240 20
     243 <210> SEQ ID NO: 13
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     254 <223> OTHER INFORMATION: Xaa = any amino acid except the non-degenerate
phosphorylatable amino
     255 acid selected from the group consisting of Tyr, Ser and Thr
     257 <220> FEATURE:
     \mathbb{C}^{n} = \{(0,1) \in \mathtt{MAME} \, | \, \mathtt{KEY} \colon \, \mathtt{MICC} \, \, \, \mathtt{FFACUSE} \}
     groupe rycat at colorina
    is kilonomina dia melebutea di monthe ancapo consistinto di lyry secolara din
     Literation of FEATURE:
     Te4 (2) 19 NAMESERY: MIRO BEAUTIER
     Net eline location:
     COCKLISS OTHER INFORMATION: Was in absent in precent
     . * * * . . . * FEATTER:
     la e el los dadeserros docos reaches
Tos estas dadoneses acces
```

1ATE: 4/01 -TIME: 12:45:03

HATENT ARREST MATERIX: US/10/017,672B

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```
Part + Plase OTHER INFORMATION: Maa in absent or present
     VIA KULIS BEATHER:
     2*(-1), 1> \text{NUME} FEY: MISC FEATURE
     781 81222 1 KATION: (4)...(4)
     1.42 411 % OTHER INFORMATION: Maa . any amine acid except the non-decrenerate
rh.sphorylatable am.no.
               cause relected from the group simpleting of Tyr, Cor and Thr
     2×5 ×2200 FEATURE:
     296 <2215 NAME FEY: MISC FEATURE
     1.77 - 2222 - 10 \text{CATION:} (4) ... (4)
     283 .223> OTHER INFORMATION: Xaa is absent or present
     2230 KELOM FEATURE:
     201 <221% NAME FEY: MISC FEATURE
     292 ×222> LOCATION: (5)..(5)
     233 <123> OTHER INFORMATION: Maa — any amino acid except the non-degenerate
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     234 acid selected from the group consisting of Tyr, Ser and Thr
     236 <220> FEATURE:
     237 <221> NAME FEY: MISC_FEATURE
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     233 <223> OIHER INFORMATION: Xaa is absent or present
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     302 <221> NAME FEY: MISC FEATURE
     303 <222> LOCATION: 6)..(6)
     30: <223> OTHER INFORMATION: Naa
                                         any amino acid except the non-degenerate
phosphorylatable aminc
     305 acid selected from the group consisting of Tyr, Ser and Thr
     307 <220> FEATURE:
     308 <221> NAME FEY: MISC FEATURE
     303 <222> LOCATION: 61..(6)
     310 <223% OTHER INFORMATION: Xaa is absent or present
     312 <220> FEATURE:
     313 (221) NAME, KEY: MISC FEATURE
     314 \langle 222 \rangle LOCATION: 7)...(7)
     FIG. (i. ) THER IMPRIMATION: Mass coange as in casific weight the non-i senerate
ghogh by at die arch
               cading between the mostle on up of modernia on two, were and the
               HEATTHE!
     RIFFLE COMMERCENT MINISTERATORS
     \mathcal{C}_{i} = \{1, \dots, i-1\} \quad \mathcal{H}_{i} = \mathcal{H}_{i}
               SOTHER INFORMATION: Has because it present
     COB + DEPARTMENT:
     ROA ROAD NAME WHY: MISH PRAIDER
     HARALLY DESCRIPTION:
                CONFIDENCE PROMOTE MERCAL CHARGE With Court as wearth the inches benefits.
   of the time of above affects
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SHE HOUSE MAMBURET: MINT PRATTER

RAW SEQUENCE LISTING ERROR SUMMARY
FATERIT AFFILE VALUE US/10/017,672B

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
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Leq#:13; Maa Fer. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Leq#:14; Maa Fer. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
Leq#:16; Maa Fer. 1,1,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
Leq#:17; Maa Fer. 1,2,3,4,6,7,8,9
Seq#:18; Maa Per. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
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Seq#:21; Maa Per. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
Seq#:22; Maa Por. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:13; Line(s) 359

VERIFICATION SUMMARY

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1241R: 14419 11 15 5 1188: 11:48:24

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charger det: N:\CRF4\04152003\J017672B.raw

1:45 M:541 W: 546; "h" or "Maka" used, in Side, 11#:1 after profit.: 1:90 M::41 W: (40) "h" or "Maa" used, for SEQ 10#:2 after pos.:6 1:470 M:541 W: (46) "h" or "Xaa" bood, her SEg [f#:le aiter pos.: M::41 Repeated In SegMc I: Inc/6 Min41 Win(40) "h" or "Maa" Good, in CEC 10#:14 after positi M:341 Repeated in SeqNe 14 1.:883 M: 841 W: (40) "n" or "Maa" unvi, nor sky 10*:15 aiter pos.:0 M:341 Repeated in ReqNo-15 L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0 M:341 Repeated in SegNo 16 1:1118 M::41 W: (46) "h" or "Waa" used, for NEQ ID#:17 after pos.:5 L:1323 M::41 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0 M:341 Repeated in SeaNor16 L:1531 M:541 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:5 M:341 Repeated in SeqNc 19 L:1739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0 M:341 Repeated in SeqNo=20 L:1947 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:21 after pos.:0 M:341 Repeated in SeqNo=21 L:2155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0 M:341 Repeated in SeqNo=22 L:2363 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:23 after pos.:0 M:341 Repeated in SeqNo=23